

CLAIMS

1. An output information management system including an information storage medium for a user, an output device which outputs information onto media, and a server communicably connected to the output device through a communication network,
 - 5 the information storage medium having a memory on which unique information is stored;
 - 10 the output device having a reading unit which reads the unique information from the information storage medium and a unit which transmits information to be outputted onto media to the server in association with the unique information read by the reading unit; and
 - 15 the server having a database for storing the information received from the output device in association with the unique information.
2. The output information management system according to claim 1, wherein the server further comprises:
 - 20 a database in which output prohibited information which is prohibited to be outputted by the output device or output permitted information which is permitted to be outputted by the output device is registered;
 - 25 a matching unit which matches information received from the output device with the information registered in the database; and
 - 30 a matching unit which transmits alarm information to the output device or an information processing terminal for an administrator or stops the output if the matching unit determines as the result of the matching that information matches the output prohibited information or does not match the output permitted information.

3. The output information management system according to claim 2, wherein the output prohibited information or the output permitted information is registered in the database on an individual output device basis; and

5 the matching unit matches information received from the output device with the output prohibited information associated with the output device or the output permitted information associated with the output device.

10 4. An output information managing method in an output information management system including an information storage medium for a user, an output device which outputs information onto media, and a server communicably connected to the output device through a communication network, comprising the steps
15 of:

reading unique information stored on a memory of the information storage medium by the output device;

20 transmitting information outputted by the output device from the output device to the server in association with the unique information; and

storing the information associated with the unique information and received at the server in a database of the server.

25 5. An output information management system including an information storage medium, an information processing terminal having a reader/writer capable of reading information stored on the information storage medium, an output device which is connected with the information processing terminal so as to be able to receive information from the information processing
30 terminal and outputs the information received from the information processing terminal onto paper media, and a server communicably connected with the output device,

the information storage medium having a memory on which ID information identifying the user is stored;

the reader/writer having a reading section for reading the ID information stored on the information storage medium;

5 the information processing terminal having a unit for transmitting the ID information read by the reader/writer and output information to be outputted onto paper media with the output device to the output device;

10 the output device having a unit which transmits the ID information received from the information processing device and the output information to the server; and

the server having a unit which stores the ID information and the output information received from the output device in a database in association with each other.

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6. An output information management system including an information storage medium, an information processing terminal having a reader/writer capable of reading information stored on the information storage medium, a server connected with the 20 information processing terminal so as to be capable of receiving information from the information processing terminal and communicably connected to the output device, and an output device which outputs information received from the information processing terminal through the server onto paper media,

25 the information storage medium having a memory on which ID information identifying a user is stored;

the reader/writer having a reading section for reading ID information stored on the information storage medium;

30 the information processing terminal having a unit which transmits the ID information read by the reader/writer and output information to be outputted onto paper media on the output device to the server;

the server comprising:

an output determining information database in which output prohibited information prohibited to be outputted on the output device or output permitted information permitted to be outputted on the output device is registered;

5 a matching unit which matches output information received from the information processing terminal with the information registered in the output determining information database;

an alarm information transmitting unit which transmits an alarm information to the output device if the matching unit
10 determines as the result of the matching that the information matches the output prohibited information or does not match the output permitted information; and

an output information transmitting unit which transmits the output information to the output device if the matching unit
15 determines as the result of the matching that the information does not match the output prohibited information or the information matches the output permitted information.

7. The output information management system according to
20 claim 6, wherein the server further comprises:

an output information database in which the ID information received from the information processing terminal and output information in association with each other; and

25 a unit which stores the ID information received from the information processing terminal in association with output information that does not match the output prohibited information or output information that matches the output permitted information as the result of the matching by the matching unit.

30 8. An output information management system including an information storage medium, an information processing terminal having a reader/writer capable of reading information stored on the information storage medium, a processing server connected

with the information processing terminal so as to be able to receive information from the information processing terminal and communicably connected with the output device, a storage server which stores information permitted by the processing server to be outputted, and an output device which outputs information received from the information processing terminal through the processing server onto paper media,

the information storage medium having a memory on which ID information identifying a user is stored;

10 the reader/writer having a reading section for reading the ID information stored on the information storage medium;

the information processing terminal having a unit which transmits the ID information read by the reader/writer and output information to be outputted onto paper media to the processing server;

the processing server comprising:

an output determining information database in which output prohibited information prohibited to be outputted on the output device or output permitted information permitted to be outputted on the output device is registered;

a matching unit which matches output information received from the information processing terminal with the information registered in the output determining information database;

an alarm information transmitting unit which transmits alarm information to the output device if the matching unit determines as the result of the matching that the output information matches the output prohibited information or does not match the output permitted information; and

30 a transmitting unit which transmits the output information to the output device and transmits the output information and the ID information to the storage server if the matching unit determine as the result of the matching that the output information

does not match the output prohibited information or matches the output permitted information;

the storage server comprising:

5 an output information database in which ID information received from the information processing terminal and output information in association with each other; and

a unit which stores the ID information received from the processing server in association with the output information in the output information database.

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9. The output information management system according to claim 6, wherein:

the output determining information database stores the output prohibited information or the output permitted

15 information on an individual output device basis;

the matching unit matches information received from the information processing terminal with the output prohibited information associated with the output device on which the information is to be outputted or with the output permitted

20 information associated with the output device on which the information is to be outputted.

10. The output information management system according to claim 5, wherein the information storage medium is an IC card.

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11. A server connected through a communication network with an output device which outputs information onto media, comprising:

a database on which output prohibited information
30 prohibited to be outputted on the output device or output permitted information permitted to be outputted on the output device is registered;

a receiving unit which receives output information to be outputted on the media and unique information unique to a user from the output device;

5 a storage unit which stores the output information received from the output device and the unique information in a database in association with each other;

a matching unit which matches the output information received from the output device with the information in the database; and

10 a unit which transmits alarm information to the output device or an information processing terminal for an administrator or stops the output if the matching unit determines as the result of the matching that the output information matches the output prohibited information or does not match the output permitted 15 information.

12. A server communicably connected with an output device which outputs information onto paper media, comprising:

20 an output determining information database in which output prohibited information prohibited to be outputted on the output device or output permitted information permitted to be outputted on the output device is registered;

25 an output information database in which ID information received from an information processing terminal and output information are stored in association with each other;

a receiving unit which receives ID information identifying a user and output information to be outputted onto the paper media;

30 a matching unit which matches the output information received by the receiving unit with the information registered in the output determining information database;

an alarm information transmitting unit which transmits alarm information to the output device if the matching unit

determines as the result of the matching that the output information matches the output prohibited information or does not match the output permitted information;

5 an output information transmitting unit which transmits the output information to the output device if the matching unit determines as the result of the matching that the output information does not match the output prohibited information or matches the output permitted information; and

10 a unit which stores output information determined by the matching unit not to match the output prohibited information or to match the output permitted information, in association with ID information received by the receiving unit.

13. A program executed by a computer connected through a communication network with an output device which outputs information onto media,

15 the computer having a database in which output prohibited information prohibited to be outputted on the output device or output permitted information permitted to be outputted on the output device is registered;

20 the program causing the computer to function as:

a receiving unit which receives output information, from the output device, to be outputted on the media and unique information unique to a user;

25 a storage unit which stores the output information and the unique information received from the output device in the database in association with each other;

30 a matching unit which matches the output information received from the output device with the information registered in the database; and

a unit which transmits alarm information to the output device or an information processing terminal for an administrator or stops the output if the matching unit determines as the result

of the matching that the output information matches the output prohibited information or does not match the output permitted information.

- 5 14. A program executed by a computer communicably connected with an output device which outputs information onto paper media; the computer having an output determining information database in which output prohibited information prohibited to be outputted on the output device or output permitted information 10 permitted to be outputted on the output device is registered; an output information database in which ID information and output information received from an information processing terminal are stored in association with each other; the program causing the computer to function as:
 - 15 a receiving unit which receives ID information identifying a user and output information to be outputted onto paper media; a matching unit which matches the output information received by the receiving unit with the information registered in the output determining information database;
 - 20 an alarm information transmitting unit which transmits alarm information to the output device if the matching unit determines as the result of the matching that the output information matches the output prohibited information or does not match the output permitted information;
 - 25 an output information transmitting unit which transmits the output information to the output device if the matching unit determines as the result of the matching that the output information does not match the output prohibited information or matches the output permitted information; and
 - 30 a unit which stores output information determined by the matching unit not to match the output prohibited information or to match the output permitted information, in the output

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information database in association with ID information received by the receiving unit.